

From: Mccray, Sean-Ryan CTR (USA) [/O=ORGANIZATION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=SEAN-RYAN.MCCRAY0EC]

Sent: Monday, January 27, 2020 3:48 PM

To: Bercik, Lisa M. [lisa.bercik@aptim.com]

CC: Liscio, Matthew P CIV USN NAVSEA DET RASO VA (USA) [matthew.liscio@navy.mil]; Howard, Leslie Ann CIV USN BRAC PMO SAN CA (USA) [leslie.howard@navy.mil]; Stoick, Paul T CIV USN (USA) [paul.stoick@navy.mil]

Subject: FW: Parcel F Data Summary

Attachments: HPNS_Parcel F Survey Summary.xlsx; SU1 Figures Summary.pdf; SU2 Figures Summary.pdf; SU4 Figures Summary.pdf; SU5 Figures Summary.pdf; SU6 Figures Summary.pdf

Lisa,

I have reviewed the data but would really like to run this by RASO internally. Matt is on site at HPNS this week and very busy, so we'll have to push our technical discussion to the following week. I'm hoping we can discuss internally Monday or Tuesday.

Can you please provide times that work for the APTIM team on Tuesday, Wednesday and Thursday next week (Feb 4 – Feb 6)?

Thanks,

Sean-Ryan McCray
Environmental Engineering Contracted Technical Support II
Contractor, Navy BRAC PMO West
San Diego, CA 92147
Direct: (b) (6)

From: Mccray, Sean-Ryan CTR (USA)

Sent: Wednesday, January 22, 2020 10:40 AM

To: Liscio, Matthew P CIV USN NAVSEA DET RASO VA (USA) <matthew.liscio@navy.mil>

Cc: Howard, Leslie Ann CIV USN BRAC PMO SAN CA (USA) <leslie.howard@navy.mil>

Subject: FW: Parcel F Data Summary

Hey Matt, hope all is well.

The Parcel F Subpens and Finger piers data has come back and APTIM has put together the attached figures for our consideration. Unexpectedly, it looks as though the data is showing multiple exceedances and potential for contamination. I'm not an expert in this field, so I'd really like to get your input.

Are you free to discuss this week or can you provide me your initial thoughts when you have the chance? Once we discuss, I'd like to get on a call with APTIM to discuss the technical side of things and a path forward.

APTIM has proposed the following dates for a technical discussion:

Tuesday, January 21 after 12pm PT
Wednesday, January 22, between 7-9am PT and after 10am PT
Thursday, January 23, between 7-9am PT and after 2pm PT

Looking forward to getting your feedback.

Very respectfully,

Sean-Ryan McCray
Environmental Engineering Contracted Technical Support II
Contractor, Navy BRAC PMO West
San Diego, CA 92147
Direct: (b) (6)

From: Bercik, Lisa M. <lisa.bercik@aptim.com>
Sent: Thursday, January 16, 2020 4:44 PM
To: Mccray, Sean-Ryan CTR (USA) <sean-ryan.mccray.ctr@navy.mil>
Cc: Howard, Leslie Ann CIV USN BRAC PMO SAN CA (USA) <leslie.howard@navy.mil>; Liscio, Matthew P CIV USN NAVSEA DET RASO VA (USA) <matthew.liscio@navy.mil>; Schul, Raymond <raymond.schul@aptim.com>; Greene, Rick <Rick.Greene@aptim.com>; Mangel, Amy <amy.mangel@aptim.com>; Bright, Greg <GBright@cabreraservices.com> (GBright@cabreraservices.com) <GBright@cabreraservices.com>
Subject: [Non-DoD Source] Parcel F Data Summary

Sean-Ryan –

The Parcel F data summary and figures are attached for the Navy's review. Once you've had a chance to review, let's set up a call to go over the path forward. It may be different for the Finger Piers v the Submarine Pens.

The Finger Piers are SUs 4, 5, and 6. The Submarine Pens are SUs 1, 2, and 3.

APTIM is available next week:
Tuesday, January 21 after 12pm PT
Wednesday, January 22, between 7-9am PT and after 10am PT
Thursday, January 23, between 7-9am PT and after 2pm PT

Please let me know if these times don't for the Navy BRAC and RASO and we will move things around to make it work.

Thanks,
Lisa

Lisa Bercik, PE, QSD, QSP
Project Manager

APTIM | Project Management

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Site Location	Site Location Detail	SU	100% Gamma Walkover Survey Complete?	≥25% α/β Scan Complete?	54 Systematic α/β Statics Complete?	Total α/β Scan Exceedances (Includes MH Survey)	Total α/β Static Exceedances (Systematic and Scan Follow-up Statics to Date)	SU Scoping Survey				MH/ Grate Survey				Concrete Samples		Notes:
								Alpha Scan Exceed (>100 dpm)	Beta Scan Exceed (>1,000 dpm)	Alpha Static Exceed (>100 dpm)	Beta Static Exceed (>1,000 dpm)	Alpha Scan Exceed (>100 dpm)	Beta Scan Exceed (>1000 dpm)	Alpha Static Exceed (>100 dpm)	Beta Static Exceed (>1000 dpm)	Samples Collected (#)?	Samples > RGs?	
Submarine Pens	Drydock 5/ Berth 61	SU1	Yes	Yes	Yes	798	13	797	0	13 (systematic)	0	1	0	0	0	Y (13)	N	Systematic static alpha exceedances (13) ranged from 100.7-139 dpm/100cm2
	Drydock 6	SU2	Yes	Yes	Yes	353	9	349	0	8 (systematic)	0	4	0	1	0	Y (5)	Y (Cs-137)	Systematic static alpha exceedances (8) ranged from 103.8-134 dpm/100cm2 MH alpha static exceedance (1) is 287.5 dpm/100cm2
	Drydock 7/ Berths 62, 62, 64	SU3	Yes	Yes	Yes	996	5	995	0	4 (systematic)	0	1	0	1	0	Y (13)	N	Systematic static alpha exceedances (5) ranged from 102-164 dpm/100cm2 MH alpha static exceedance (1) is 175.2 dpm/100cm2
Finger Piers	Finger Pier 1, Berths 23-28	SU4	Yes	Yes	Yes	2266	4	2226	0	0	0	6	34	0	4	Y (1)	N	MH beta static exceedances (4) ranged from 1725-409K dpm/100cm2
	Finger Pier 2, Berths 30-35	SU5	Yes	Yes	Yes	1286	0	1272	0	0	0	14	0	0	0	Y (2)	N	
	Finger Pier 3, Berths 37-42	SU6	Yes	Yes	Yes	361	7	338	0	0	0	23	0	7	0	Y (2)	N	MH alpha static exceedances (7) ranged from 1665-2122 dpm/100cm2









Legend

Survey Unit Boundary

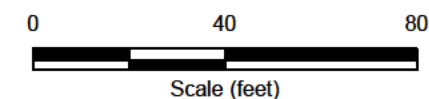
-  Horizontal Surface
-  Vertical Surface

Scan Data Results

(Alpha dpm/100 cm²)

-  ≤19.9
-  20.0 - 49.9
-  50.0 - 99.9
-  ≥100.0

Note: Alpha-Beta survey was performed with a Ludlum 2360/ 43-37 Floor Monitor



SURVEY UNIT (SU) 1

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA



Legend

Survey Unit Boundary

- Horizontal Surface
- Vertical Surface

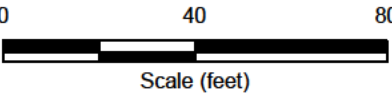
Scan Data Results

(Beta dpm/100 cm2)

- ≤199.9
- 200.0 - 499.9
- 500.0 - 999.9
- ≥1000.0

Note: Alpha-Beta survey was performed with a Ludlum 2360/ 43-37 Floor Monitor

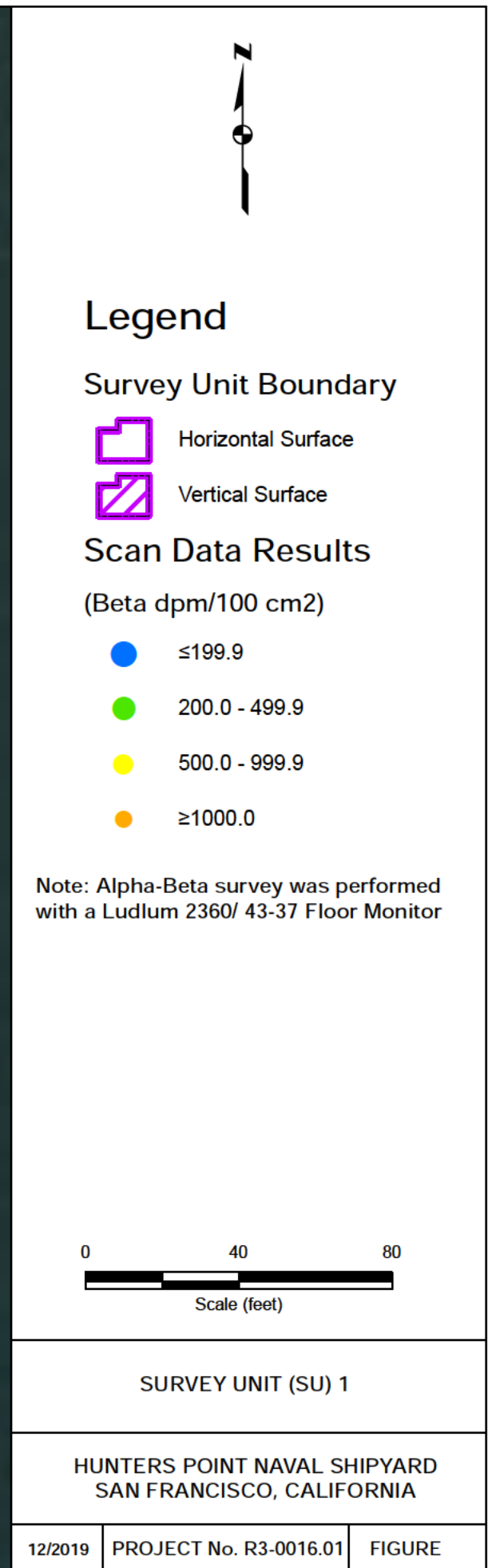
Beta Data Statistics	
Survey Unit 1 (Horizontal Surface)	
(Beta dpm/100 cm2)	
# of Measurements	6,505
Minimum	-854.0
Maximum	667.1
Mean	1,003,313.8
Standard Deviation (σ)	208.9



SURVEY UNIT (SU) 1

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





<div>Survey Unit 1 Drydock 5, Berth 61 (Class 2) Total Area (1,318 m²)</div> <div>Survey Requirements - 100% Gamma Scan - 25% Alpha/Beta Scan</div>		
<div>Legend</div> <div><div>Alpha-Beta Bias Static Systematic Measurements</div><div>Horizontal Surface</div><div>Vertical Surface</div></div> <div>Survey Unit Boundary</div> <div><div>Horizontal Surface</div><div>Vertical Surface</div></div>		
<div>Scale (feet)</div> <div>04080</div>		
SURVEY UNIT (SU) 1		
HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CALIFORNIA		
1/2020	PROJECT No. R3-0016.01	FIGURE